IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION of

Inventor(s):   ELLIS, Frampton
Atty.Dkt: 081498/0274516
Appln. No.:   Unknown/
Filed: Herewith
FOR: GLOBAL NETWORK COMPUTERS

Group Art Unit: Unknown
Examiner: Unknown

Date: August 24, 2001

IDS LETTER CITING APPLICATION(S)
AND ATTACHING PTO-1449/DOCUMENTS

The Examiner's attention is directed to the following application(s) of:

Examiner's Initials*	FIRST INVENTOR (Last Name Only)	APPLICATION NO. & Filing Date	ENCLOSED		
	ELLIS	09/884,041, filed June 20, 2001	☐ Spec ☐ Other	☐ Drawings	☐ Current Claims
	ELLIS	09/669,730, filed September 26, 2000	☐ Spec ☐ Other	☐ Drawings	☐ Current Claims
	ELLIS	09/571,558, filed May 16, 2000	☐ Spec ☐ Other	☐ Drawings	☐ Current Claims
	ELLIS	09/320,660, filed May 27, 1999	☐ Spec ☐ Other	☐ Drawings	☐ Current Claims
	ELLIS	09/315,026, filed May 20, 1999	☐ Spec ☐ Other	☐ Drawings	☐ Current Claims
	ELLIS	09/085,755, filed May 27, 1998	☐ Spec ☐ Other	☐ Drawings	☐ Current Claims
	ELLIS	08/980,058, filed November 26, 1997	☐ Spec ☐ Other	☐ Drawings	☐ Current Claims
	ELLIS	09/213,875, filed December 17, 1998	☐ Spec ☐ Other	☐ Drawings	☐ Current Claims

PLEASE DO NOT PRINT the above information on the patent which results from the subject application.

Consideration of each listed application is earnestly solicited since unpublished patent applications are contemplated as IDS material; see the exception in Rule 98(a)(2)(iii) and note the penultimate sentence of MPEP 609.

Further, in keeping with MPEP 609, Subsec. C(2), 2nd para., line 10 to end of the paragraph (especially note lines 18-25) **PLEASE RETURN A COPY OF THIS LETTER** with the Examiner's initials adjacent each above listing so that applicant will know that each listed application has been considered as required by PTO policy. Thanks.

Secondly, please consider each document which is listed on the attached Form PTO-1449 and return a copy of that form with the Examiner's initials adjacent each citation.

Pursuant to the exception in 37 CFR 1.98 (d), copies of the above-listed applications and documents are not submitted herewith.

Thanks again.

Respectfully submitted,

Carlo Cotrone P48,715

for
Dale S. Lazar

*The Examiner's initials adjacent a citation indicates he/she has considered the cited application relative to the subject application.

FORM PTO-1449 (modified)
To: U.S. Department of Commerce
(PW FORM PAT-1449)
    Patent and Trademark Office

INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

Atty. Dkt. No.	M#		Client Ref.
		0274516	GNC22US

Applicant: ELLIS

Application No.: Unknown

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U.S. PATENT DOCUMENTS

Examiner's Initials*		Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
	AR	4,827,508	05/1989	SHEAR			
	BR	4,918,596	04/1990	NAKANO			
	CR	4,969,092	11/1990	SHORTER			
	DR	5,025,369	06/1991	SCHWARTZ			
	ER	5,031,089	07/1991	LIU et al.			
	FR	5,103,393	04/1992	HARRIS et al.			
	GR	5,109,329	04/1992	STRELIOFF			
	HR	5,109,512	04/1992	BAHR et al.			
	IR	5,136,708	08/1992	LAPOURTE et al.			
	JR	5,155,808	10/1992	SHIMIZU			
	KR	5,291,494	03/1994	BRUCKERT et al.			
	LR	5,341,477	08/1994	PITKIN et al.			
	AR	5,349,682	09/1994	ROSENBERRY			
	MR	5,357,632	10/1994	PIAN et al.			
	NR	5,361,362	11/1994	BENKESER et al			
	OR	5,381,534	01/1995	SHI			
	PR	5,392,400	02/1995	BERKOWITZ et al.			
	QR	5,410,651	04/1995	SEKIZAWA et al.			
	RR	5,426,741	06/1995	BUTTS, JR. et al.			
	SR	5,428,783	06/1995	LAKE			
	TR	5,457,797	10/1995	BUTTERWORTH et al.			
	UR	5,515,511	05/1996	NGUYEN et al.			
	VR	5,522,070	05/1994	SUMIMOTO			
	WR	5,546,594	08/1996	WAZUMI			
	XR	5,550,984	08/1996	GELB			
	YR	5,568,375	10/1996	RAUSCH			
	BR	5,572,643	11/1996	JUDSON			
	ZR	5,586,121	12/1996	MOURA et al.			
	CR	5,590,284	12/1996	CROSETTO			
	AAR	5,594,491	01/1997	HODGE et al.			
	BBR	5,608,448	03/1997	SMORAL et al.			
	CCR	5,615,127	03/1997	BEATTY et al.			
	DDR	5,666,484	09/1997	ORIMO et al.			
	EER	5,678,028	10/1997	BERSHTEYN et al.			
	DR	5,680,548	10/1997	TRUGMAN			
	ER	5,696,902	12/1997	LECLERCQ et al.			
	FFR	5,710,884	01/1998	DEDRICK			
	GGR	5,748,489	05/1998	BEATTY et al.			

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*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw lin   through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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U.S. PATENT DOCUMENTS

Examiner's Initials*		Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
	AR	5,758,077	05/1998	DANAHY et al.			
	BR	5,758,345	05/1998	WANG			
	CR	5,761,507	06/1998	GOVETT			
	FR	5,774,668	06/1998	CHOQUIER et al.			
	DR	5,790,431	08/1998	AHRENS, Jr. et al.			
	GR	5,793,968	08/1998	GREGERSON et al.			
	ER	5,794,059	08/1998	BARKER et al.			
	HR	5,815,665	09/1998	TEPER et al.			
	IR	5,815,793	09/1998	FERGUSON			
	JR	5,826,014	10/1998	COLEY et al.			
	KR	5,828,833	10/1998	BELVILLE et al.			
	LR	5,844,594	12/1998	FERGUSON			
	FR	5,845,074	12/1998	KOBATA			
	GR	5,850,449	12/1998	MCMANIS			
	HR	5,864,738	01/1999	KESSLER et al.			
	MR	5,881,284	03/1999	KUBO			
	NR	5,889,989	03/1999	ROBERTAZZI et al.			
	OR	5,909,681	06/1999	PASSERA et al.			
	PR	5,930,511	07/1999	HINSLEY			
	QR	5,964,832	10/1999	KISOR			
	RR	5,978,829	11/1999	CHUNG et al.			
	SR	6,052,555	04/2000	FERGUSON			
	TR	6,098,091	08/2000	KISOR			
	UR	6,112,225	08/2000	KRAFT et al.			
	VR	6,112,243	08/2000	DOWNS et al.			

FOREIGN PATENT DOCUMENTS

		Document Number	Date MM/YYYY	Country	Inventor Name		English Abstract	Translation Readily Available
	WR	WO 98/26366	06/1998	WIPO	Ellis			
	XR	0 853 279	07/1998	EUROPE	Nagaratina et al.			
	YR	WO 94/01964	01/1994	WIPO	Craig			
	ZR	WO 95/01060	01/1995	WIPO	Kramer et al.			
	AAR	EP 0 840216A2	05/1998	Europe	Chung et al.			

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

	BBR	"Ein-Chip-Firewall," Elektroniknet Top News, XP-002164257			

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	Application No.: Unknown		

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OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

	AR	"Means for Implementing Optical Interconnections for Parellel Processors," IBM Technical Disclosure Bulletin, April 1991, Vol. 33, No. 11, pages 56-58, XP 000110310					
	BR	Alexandrov et al., "SuperWeb: Research Issues in Java-Based Global Computing," Concurrency, Vol. 9, No. 6, June 1997, pages 535-553					
	CR	Baratloo et al., "Charlotte: Metacomputing on the Web," 9th International Conference on Parallel and Distributed Computing Systems (PDCS), 1996, pages 1-8					
	DR	Bevinakoppa et al., "Digital Image Compression on a Network of Transputers," Proc. of 5th Australian Transputer & OCCAM User Group Conference, IOS Press, Amsterdam, pp. 25-32					
	ER	Blumofe, R. et al., "Scheduling Large-Scale Parallel Computations on Networks of Workstations," Proc. Of the 3rd IEEE Int'l Symp on High Performance Distributed Computing, pp. 96-105, Aug. 1994					
	FR	Brecht et al., "ParaWeb: Towards World-Wide Supercomputing," Proceedings of the Seventh AcM SIGOPS European Workshop, September 1996, 8 pages					
	GR	Brisbin, "Shopping for Internet access," MacUser, December 1994, v.10, p. 133(2)					
	HR	Brown et al., Special Edition Using Netscape ™, 2 Second Edition, Que Corporation, 1995, Ch. 1-2					
	IR	Capello et al., "Market-Based Massively Parallel Internet Computing," Proceedings Third Working Conference on Massively Parallel Programming Models, 1998, pages 118-129					
	JR	Celenk, M. et al., "Parallel Task Execution in LANs and Performance Analysis," Proc. Of the 1995 IEEE 14th Annual Int'l Phoenix Conf. On Computers and Communications, pp. 423-429, Mar. 1995					
	KR	Chen, C. et al., "The DBC: Processing Scientific Data Over the Internet," Proc. Of the 16th Int'l. Conf. On Distributed Computing Systems, pp. 673-679, May 1996					
	LR	Clark, H. et al., "DAWGS-A Distributed Computer Server Utilizing Idle Workstations," Proc. Of the 5th Distributed Memory Computing Conf., IEEE, pp. 732-741, April 1990					
	MR	Fogg, C., "Survey of software and hardware VLC architectures," SPIE, vol. 2186, Image and Video Compression (1994), pp. 29-37					
	NR	Fox et al., "Towards Web/Java based High Performance Distributed Computing-an Evolving Virtual Machine," www.npac.syr.edu/projects/webspace/doc/hpdc5/paper, June 10, 1996, 11 pages					
	OR	Fox et al., "Towards Web/Java based High Performance Distributed Computing-an Evolving Virtual Machine," as presented at 5th IEEE International Symposium on High Performance Distributed Computing, August 6-9, 1996, 86 pages					
	PR	Fox, E., "Advances in Interactive Digital Multimedia Systems," Computer, Oct. 1991, pp. 9-21					
	QR	Gemmell et al., "Multimedia Storage Servers: a Tutorial," Computer, May 1995, pp. 40-49					
	RR	Geoffrey C. Fox and Wojtek Furmanski, Petaops and Exaops: Supercomputing on the Web, "IEEE INTERNET COMPUTING," Vol. 1, Number 2 March-April 1997, pgs. 38-46.					

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OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)					
	AR	Gibbs, "Bandwidth, Unlimited," Scientific American, January 1997, p. 41			
	BR	Gilder, "Angst and Awe on the Internet by George Gilder," Forbes ASAP, December 4, 1995			
	CR	Gilder, "The Bandwidth Tidal Wave," Forbes ASAP, December 5, 1994			
	DR	Hare et al., "Master the Complexities of Network Security," Internet Firewalls and Network Security, Second Edition, pp. 325-350 and 516			
	ER	Hayes, "Computing Science: Collective Wisdom," American Scientist, March-April 1998, pages 1-8			
	FR	Kim, B., "ATM Network: Goals and Challenges," Communications of the ACM, Feb. 1995, vol. 38, No. 2, pp. 39-44, 109			
	GR	Kivanc Dincer and Geoffrey C. Fox, Building a World-Wide Virtual Machine Based on Web and HPCC Technologies, "STUDENT TECHNICAL PAPERS," http://www.supercomp.org/sc96/proceedings/SC96PROC/DINCER/INDEX.HTM pgs. 1-18.			
	HR	Kremien, O., "Buying and Selling Computational Power Over the Network," Proc. Of the 4th Int'l. Conf. On Computer Communications and Networks, IEEE, pp. 616-619, Sep. 1995			
	IR	Lindley, C., "JPEG-Like Image Compression, Part 2," Dr. Dobb's Journal, Aug. 1995, pp 62-66, 102-105			
	JR	Lindley, C., "JPEG-Like Image Compression, Part I," Dr. Dobb's Journal, Jul. 1995, pp. 50-58, 101-102			
	KR	Litzkow et al., "Condor-A Hunter of Idle Workstations," Proc. Of the 8th Int'l. Conf. On Distributed Computing Systems, IEEE, pp. 104-111, Jun. 1998			
	LR	M. Hobbs and A. Goscinski, A Remote Porcess Creation and Execution Facility Supporting Parallel Execution on Distributed Systems, "IEEE 1996," pgs. 92-99.			
	MR	Markoff, "A New Standard to Govern PC's with Multiple Chips, Work Stations Mimicking Supercomputers," The New York Times, October 28, 1997			
	NR	McHenry et al., "An FPGA-Based Coprocessor for ATM Firewalls," Field-Programmable Custom Computing Machines 1997, 16-18 April 1997, pages 30-39, XP-002157218			
	OR	Morris, J., et al., "Fault Tolerant Networks of Workstations," Proc. Of the 3rd Int'l. Conf. On High Performance Computing, IEEE, pp. 271-276, Dec. 1996			
	PR	N/A, "Aliens on your desktop," The Economist, April 18, 1998, p. 78			
	QR	N/A, "Cyber View World Wide Widgets," Scientific American, May 1997, p. 48			
	RR	N/A, "Special Report - Wonder Chips," Business Week, July 4, 1994			
	SR	N/A, "Supercomputers Divide and Conquer," The Economist, December 14, 1996			
	TR	Nass, R., "Hardware-software combo could simplify MPEG real-time video compression," Electronic Design, May 3, 1993, p. 36			
	UR	Nowatzyk et al.,"Are Crossbars Really Dead? The Case for Optical Multiprocessor Interconnect Systems,"Proceedings of the Annual Symposium on Computer Archtecture, ACM, volum 22, June 1995, pages 106-115, XP 000687800			
	VR	Ozer, "Digital Video: Shot by Shot," PC Magazine, Apr. 11, 1995, pp. 104-107, 110			
	WR	Ozer, J., "Why MPEG is Hot," PC Magazine, Apr. 11, 1995, pp. 130-131			

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OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

	AR	Plotkin, "The Digital Compression Facility-A Solution to Today's Compression Needs," 1994 IEEE, pp 445-449				
	BR	Qiao et al.,"Time-Division Optical Communications in Multiprocessor Arrays," ACM, 1991, pages 644-653, XP 000337522				
	CR	Rincon et al.,"The Changing Landscape of System-on-a-Chip Design," MicroNews, Third Quarter 1999, www.chips.ibm.com/micronews/vol5_no3/rincon.html, pages 1-10, Vol. 5, No. 3				
	DR	Sachs, M. et al., "LAN and I/O Convergence: A Survey of the Issues," Computer, Dec. 1994, pp. 24-32				
	ER	Sakano et al.,"A Three-Dimensional Mesh Multiprocessor System Using Board-to-Board Free-Space Optical Interconnects: COSINE-III," IEEE, 1993, pages 278-283, XP 000463415				
	FR	Schroeder, E., "New offerings buoy MPEG as video standard," Desktop Computing, PC Week, May 8, 1995, pp. 1&29				
	GR	Shen et al., "A Parallel Implementation of an MPEG1 Encoder: Faster than Real-Time!", Proc. Of SPIE Conf. On Digital Video Compression, San Jose, CA, Feb. 1995				
	HR	Shiuan, J. et al., "Client-Server Based Ray-Tracer Using ASTRA: An Asynchronous RPC Mechanism," Computer Communications, vol. 19, No. 5, pp. 445-455, May 1996				
	IR	Steven M. Bellovin and William R. Cheswick, Network Firewalls, "IEEE Communications Magazine 1994," pgs. 50-57.				
	JR	Sullivan et al., "A New Major SETI Project Based on Project Serendip Data and 100,000 Personal Computers." http://setiathome.ss/.berkeley.edu/woody_paper.htm/				
	KR	Szabo, B., et al., "Design consideratins for JPEG Video and Synchronized Audio in a Unix Workstation Environment," USENIX-Summer '91, pp. 353-368				
	LR	Taisuke Boku, Hiroshi Nakamura, Kisaburo Nakazawa, and Yoichi Iwasaki, The Architecture of Massively Parallel Processor CP-PACS, "IEEE 1997," pgs. 31-40.				
	MR	Tandiary et al., "Batrun: Utilizing Idle Workstations for Large-Scale Computing," Summer 1996, pp. 41-48				
	NR	Theimer et al., "Finding Idle Machines in a Workstation-Based Distributed System," IEEE Trans. On Software Engineering, vol. 15, No. 11, pp 1444-1458, Nov. 1989				
	OR	Vetter, R., "ATM Concepts, Architectures, and Protocols," Communications of the ACM, Feb. 1995; vol. 38, No. 2, pp. 30-38, 109				
	PR	Vetter, R., et al., "Issues and Challenges in ATM Networks," Communications of the ACM, 2/1995; vol. 38, No. 2, pp. 28-29				
	QR	Waldspurger et al., "Spawn: A Distributed Computational Economy," IEEE Transactions on Software Engineering, Vol. 18, No. 2, February 1992, pages 103-117, XP-002124500				
	RR	Weiyi et al., "Java-to-Go - Itinerative Computing Using Java," September 10, 1996 http://ptolemy.eecs.berkeley.edu/dgm/javatools/java-to-go/				
	SR	Yoon-Hwa Choi and Yu-Seok Kim, A Diagnostic Network for Massively Parallel Processing Systems, "IEEE 1994," pgs. 348-353.				

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Date: August 24, 2001		Page	6	of	6		Examiner: Unknown	Group Art Unit: Unknown

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

	AR	Yoshida, J., "MPEG-2 encoders make show of force at NAB," Electronic Engineering Times, Apr. 10, 1995				
	BR	Yu, Y. et al., "Software Implementation of MPEG-II Video Encoding Using Socket Programming in LAN," SPIE vol. 2187, pp. 229-240, 1994				
	CR					
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